

NEW RADIATION BELT DISCOVERED INSIDE EARTH'S MAGNETIC FIELD

A team of American and Russian scientists, working under the 1987 US-USSR Civil Space Agreement, has reported the discovery of a new belt of radiation in the earth's magnetic field.

The scientists say that the new belt is formed from the "anomalous" component of cosmic radiation. This component of cosmic radiation consists of ions with only one of their orbital electrons missing, whereas most cosmic rays have lost all their orbital electrons. This makes it possible for anomalous cosmic rays to penetrate deeper into the earth's magnetic field. Some of these ions graze the earth's atmosphere causing their remaining orbital electrons to be stripped away. When this occurs, the ions can no longer escape the earth's magnetic field and may instead become trapped in it. The team found that the trapped oxygen ions have about 1000 times the intensity of the anomalous cosmic ray oxygen in nearby interplanetary space.

(Source: PR Newswire, US Naval Research Laboratory, 4th Feb 1992; via MufoNet News Wire)

POLIO FROM NAPPY

Southampton, UK: A man has contracted polio from the soiled nappy of his niece, who had been vaccinated against the disease just days before, according to local doctors.

(Source: Weekend Australian, 25/26th January 1992)

HOMEBIRTHS ARE SAFER ACCORDING TO STUDY

Many studies have shown home birth to be safer for both mother and child.

One such study conducted by Lewis E. Mehl, M.D., of the University of Wisconsin Infant Development Center reviewed 2,000 births, nearly half of which had taken place at home.

* There were 30 birth injuries among the hospital-born children, and none among those born at home.

* 52 of the babies born in the hospital required resuscitation versus only 14 of those born at home.

* 6 hospital babies suffered neurological damage compared to one born at home.

(Source: "Statistical Outcomes of Home Birth in the United States". *Safe Alternative in Childbirth*, by David Stewart, Ph.D. Published by NAPSAC, Marble Hill, MO. USA 1976)

CHIROPRACTIC TREATMENT FOR BABY PROBLEMS YIELDS SUCCESS!

In the German medical journal, *Manuelle Medizin*, the authors Gutmann and Fryman reported examining a random group of 1,250 babies, 5 days after birth. 211 suffered from vomiting, hyperactivity and sleeplessness. Manual examination revealed spinal abnormalities in 95% of this group. Spinal adjustment "frequently resulted in immediate quieting, cessation of crying, muscular relaxation and sleepiness".¹

Various studies have confirmed that spinal damage in infants can cause disease and even death.²

Abraham Towbin, a Harvard University pathologist found evidence of spinal injury in many cases of unexplained crib deaths, hyaline membrane disease, pneumonia and respiratory depression. But there are others: "... there must exist a large

number of instances with mild injury, with minimal neurologic symptoms, going unnoticed clinically or being relegated to the category of cerebral palsy".³

In 1984, the Academy for Research in the Chiropractic Sciences (ARCS) concluded an 18 month study on the relationship of crib death and spinal structure and found that babies that had died of crib death had abnormal spinal alignment in the upper neck area.⁴

References:

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2. St Louis Post Dispatch (AP) May 3rd, 1984.
3. Gilles et al, *Infantile Atlantooccipital Instability*, Am. J. Dis. Child., 133:30-37, 1979.
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VDT RADIATION DANGER

Summary by: D. Lauffer

The New Yorker recently ran a series of articles under the heading of "The Annals of Radiation" by Paul Brodeur.

They covered research and the industry responses to possible dangers from a variety of radiation sources.

The articles covered power lines, microwave sources and Video Display Terminals. Brodeur relies heavily on the work of several epidemiologists, microbiologists and the maverick, Louis Slesin, editor of the *Microwave News* and the *VDT News*. The VDT article appeared in the 6-26-89 issue of the *New Yorker*.

Brodeur points out that the groups most likely to fund research into radiation dangers are the military, computer and electronics manufacturers. All of these have a vested interest in downplaying health hazards associated with regular use of

VDTs both by the public and by their own personnel.

The medium most likely to spread detailed information about hazards would be the newspapers, who have reporters, editors and clerks who take classified ads all of whom might hold them responsible for health risks. The Columbia Journalism Review has documented the lack of coverage by the press in articles in 1981 and 1984. Additionally, there is documentation that NIOSH and the FDA have been lax in pursuing problems in this area, even though they had announced studies of the problem.

The major hazards no longer involve the X-Rays which had been emitted by the CRTs and consumer TVs in the past. They seem to lie in the magnetic radiation emitted by transformers associated with the changing image on the VDT. Epidemiologists have noted high incidence of miscarriages among VDT operators. This seems to correspond to research on Extra Low Frequency radiation (ELF) and Very Low Frequency radiation (VLF) which are emitted by components such as the fly-back transformer in the VDT. These components are often near the outside of the device, and are even more likely to send radiation to the sides or to the back of the terminal.

Embryology research on chickens by Delgado, who has taught at Yale, indicated that serious changes were caused in early development by 100Hz magnetic radiation. The results were confirmed in a Swedish study, which led to banning VDTs which are not shielded for VLF in Sweden as of 1988. IBM now markets a VDT (only available in Scandinavian Countries) which meets VLF guidelines. Other research has found that as little as 15 minutes of exposure to ELF accelerates DNA/RNA transfer in insects. This would indicate a potential for problems in fetal development for early stage pregnant women who work at VDTs.

An additional area of problems is the

role of magnetic fields in these ranges in the increased incidence of childhood cancer. These are usually associated with power lines near residences. Epidemiologists have also noted increased incidence of cancer in adult VDT operators.

Recommendations

When VLF-shielded terminals become available, these should be given strong consideration for new purchases and replacements.

When ELF-shielded terminals become available, these should be also given strong consideration for new purchases and replacements. These will require transformer shielding in Nu-metal.

This is not a problem with liquid crystal displays LCD, such as are found in Laptop Computers.

With the present generation of equipment you should sit 28 inches in front, and about 40 inches away from any other terminal.

(Source: Graciously supplied by Double Helix BBS 1 (212) 865-7043, via KeelyNet BBS 1 (214) 324-3501)

THE VORTEX GUN

Dr. Phillips Thomas, research engineer of the Westinghouse Electric & Manufacturing Company, picked up what appeared to be a small copper and brass drum with an aperture some two inches in diameter in its head. By means of a tubular peep sight affixed to the top of the drum, he aimed the aperture at one of a row of lighted candles about ten feet away, and then tapped the back of the drum with a rubber hammer.

Instantly the candle was extinguished. He repeated the performance half a dozen times, and each time the striking of the metal drum was followed by the extinguishing of a candle. He pointed the aperture at a gong, tapped the drum, and the gong rang. In each case, it was as though an unseen projectile had been fired from the strange device.

These seemingly miraculous feats were accomplished by an invisible ring of air, a smoke ring without the smoke, shot from the aperture by the force with which Dr. Thomas struck the back of the drum. Called a VORTEX GUN (remember the WHIRLWIND CANNONS of the Germans during WWII...Vanguard), and designed on the basis of elaborate mathematical



calculations by Westinghouse scientists, this device embodies the first practical application of the well-known principle of vortex motion.

Good examples of this motion are the common smoke ring which almost all smokers can blow, and the funnel-shaped twister cloud familiar to anyone who has lived in the tornado and cyclone belts of the Middle West.

The twister, however, is ONLY HALF OF A VORTEX, it moves only if a wind is blowing, and always travels at right angles to the ground.

A smoke ring, which is a true VORTEX RING, will move in any direction, according to the initial impulse, and owing to the vortex motion, the smoke will remain in the ring as long as it is moving.

THE MORE RAPID THE MOTION, THE FARTHER THE RING WILL GO BEFORE BREAKING UP.

The rings or miniature whirlwinds shot from the vortex gun conform to the behavior pattern of the smoke ring as blown from the mouth. Their size and velocity, and the distance traveled, depend upon the dimensions of the gun and the force with which it is struck. They are always invisible unless smoke or some other visible substance is put into the gun.

Westinghouse engineers have constructed experimental vortex guns in two sizes. The hand model, demonstrated by Dr. Thomas as part of the equipment of a traveling laboratory with which he has been touring the country, is about eight inches in diameter.

It shoots a vortex ring with a diameter of from two to three inches, which travels at a speed of 20 feet per second. The ring carries so much force that the impact can be felt at about 25 feet.

(Source: Popular Science - August - 1942)

Mini-Bio of: John Ernst Worrell Keely Sept. 3, 1827 - Nov. 18, 1898

Inventor and imposter, grew up in Philadelphia, Pa., where his career was run. Both his parents died while he was an infant and he is not known to have had any schooling after the age of twelve.

He had been for a time leader of a small orchestra and in certain more or less apocryphal stories he figured as a circus performer.

In 1872 he was a journeyman carpenter, but in the following year, when he announced the discovery of a new physical force, he seems to have ceased that occupation for the rest of his

days, and for a quarter of a century he was a public character, maintained by the contributions of those who believed in the future of the inventions based on his discovery.

The supposed new force was explained by Keely as resulting from the intermolecular vibrations of ether (Aether).

His problem was to construct a machine to respond to the vibrations and in that way produce power. (Refer to the Melde Experiment.) In 1874 he had advanced far enough in the fabrication of such a machine, or engine, to permit exhibitions at his workshop.

Such results as he could show amazed the general public, but physicists and engineers declared that the same results could be obtained by employing known forces, and until Keely would prove the exclusion of such known forces from his experiments they would refuse to believe in his discovery.

Nevertheless, the Keely Motor Company was incorporated and the stock was taken in large amounts throughout the country.

As time passed without the perfection of Keely's motor or the securing of patents, the stockholders grew impatient and by 1880 payments to the inventor

virtually ceased and the bills he had incurred remained unpaid.

When bankruptcy was facing him a wealthy Philadelphia woman, Mrs. Clara S. J. Bloomfield-Moore, came to the rescue and financed his operations for many years.

Meanwhile the Keely Motor Company brought suit to compel a disclosure of the secret and Keely's refusal to answer questions led to his imprisonment for contempt of court.

A compromise was reached, however, without the divulging of the secret, and Keely was released.

In 1887 experiments were conducted for the United States Government at Fort Lafayette. The Keely Motor Company retained its faith in the inventor and continued to market stocks.

In 1895 Professor Lascelles-Scott, the English physicist, spent a month in Philadelphia for the purpose of

investigating Keely's work, at the request of Bloomfield-Moore.

His report was never published, but after his return to London Keely's patroness withdrew her assistance.

Keely was now an old man, afflicted with Bright's disease. At his death, on Nov. 18, 1898, the Keely Motor Company had more than 3,000 shareholders.

In their interest the company's officers arranged with the widow, Anna M. Keely, to have a thorough examination made of all the apparatus left in Keely's workshop.

The ensuing investigation, friendly in motive, resulted in the uncovering of tubes in the form of hollow wires by which compressed air had been applied to the machinery claimed to have been operated by the mysterious new force.

In some instances compressed air had been used to start clockwork, but more generally hydraulic power, derived from

a water motor.

The exposure was complete and unanswerable. A Philadelphia newspaper suggested that the "motor" be exhibited to the public, but no one had the heart to act on the suggestion.

Keely's secret was out at last. But nothing short of his death kept the public from trusting him.

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